Project Name: Upper York Penin., S.A.

Project Code: NY1 Site ID: A888 Observation ID: 1

Agency Name: CSIRO Division of Soils (SA)

**Site Information** 

Desc. By: R.W. Jessup Locality:

 Date Desc.:
 19/02/63
 Elevation:
 76 metres

 Map Ref.:
 Sheet No.: SI53-12
 1:250000
 Rainfall:
 380

Northing/Long.: 137.763888888889 Runoff: Moderately rapid

<u>Geology</u>

ExposureType: No Data Conf. Sub. is Parent. Mat.: No Data Geol. Ref.: No Data Substrate Material: No Data

**Land Form** 

 Rel/Slope Class:
 No Data
 Pattern Type:
 No Data

 Morph. Type:
 No Data
 Relief:
 No Data

 Elem. Type:
 Plain
 Slope Category:
 No Data

 Slope:
 0 %
 Aspect:
 No Data

Surface Soil Condition (dry):

**Erosion:** 

**Soil Classification** 

Australian Soil Classification:Mapping Unit:N/AClass Undetermined Regolithic Hypercalcic CalcarosolPrincipal Profile Form:N/A

ASC Confidence: Great Soil Group: Solonized brown

Analytical data are incomplete but reasonable confidence. soil

Site Disturbance: Cultivation. Rainfed

Vegetation:

Tall Strata - Tree mallee, , . \*Species includes - None Recorded

**Surface Coarse Fragments:** 

**Profile Morphology** 

0 - 0.12 m Brown (7.5YR5/4-Dry); ; Clay loam; Weak grade of structure, Subangular blocky; Very firm

consistence; 0-2%, medium gravelly, 6-20mm, Gravel, coarse fragments; Common (10 - 20 %),

Calcareous, , Soft segregations; Diffuse change to -

0.12 - 0.25 m Reddish brown (5YR5/4-Dry); ; Light clay; Massive grade of structure; Very firm consistence; 0-

2%, medium gravelly, 6-20mm, Gravel, coarse fragments; Many (20 - 50 %), Calcareous, , Soft

segregations; Diffuse change to -

0.25 - 0.6 m Light brown (7.5YR6/4-Dry); ; Light clay; Massive grade of structure; Very firm consistence; 0-

2%, medium gravelly, 6-20mm, Gravel, coarse fragments; Very many (50 - 100 %), Calcareous, ,

Soft segregations; Diffuse change to -

0.6 - 0.88 m Reddish brown (5YR5/4-Dry); ; Medium clay; Massive grade of structure; Very firm consistence;

Very many (50 - 100 %), Calcareous, , Soft segregations; Diffuse change to -

0.88 - 1.32 m Yellowish red (5YR5/8-Dry); ; Medium clay; Massive grade of structure; Very firm consistence; 0-

2%, medium gravelly, 6-20mm, Gravel, coarse fragments; Many (20 - 50 %), Calcareous, , Soft

segregations; Diffuse change to -

1.32 - 1.98 m Yellowish red (5YR4/6-Dry); ; Medium clay; Massive grade of structure; Very firm consistence; 0-

2%, medium gravelly, 6-20mm, Gravel, coarse fragments; Very many (50 - 100 %), Calcareous, ,

Soft segregations; Diffuse change to -

1.98 - 2.28 m Yellowish red (5YR5/6-Dry); ; Coarse sandy clay loam; Massive grade of structure; Strong

consistence; 10-20%, medium gravelly, 6-20mm, Gravel, coarse fragments; Many (20 - 50 %),

Calcareous, , Soft segregations;

2.28 - 2.58 m ;

**Morphological Notes** 

**Observation Notes** 

Site Notes

KADINA

Project Name: Project Code: Agency Name: Upper York Penin., S.A.
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## **Laboratory Test Results:**

Depth	pН	1:5 EC Ca	Exchangeable Cation	ns Exchangeable Na Acidity	CEC	ECEC	ESP
m		dS/m	g	Cmol (+)/kg			%
0 - 0.12	8.1H	0.072C					
0.12 - 0.25	8.4H	0.074C					
0.25 - 0.6	8.5H	0.34C					
0.6 - 0.88	8.7H	1.2C					
0.88 - 1.14	9H	1.5C					
1.14 - 1.52	8.9H	1.7C					
1.52 - 1.9	9.1H	1.2C					
1.9 - 2.13	9.3H	0.82C					
2.28 - 2.58							

Depth	CaCO3	Organic	Avail.	Total	Total	Total	Bulk	Pa	article	Size	Analysi	s
m	%	C %	P mg/kg	P %	N %	K %	Density Mg/m3	GV	cs	FS %	Silt	Clay
0 - 0.12	4.2C							6	9C	27	' 16	37
0.12 - 0.25	9.1C							3	9C	23	9	44
0.25 - 0.6	33C							5	5C	17	9	35
0.6 - 0.88	47C							1	5C	12	? 7	25
0.88 - 1.14	32C							4	6C	17	7	33
1.14 - 1.52	54C							3	8C	12	6	16
1.52 - 1.9	52C							1	7C	11	4	21
1.9 - 2.13 2.28 - 2.58	25C							7	18C	16	6	33

Depth	COLE	Gravimetric/Volumetric Water Contents							K sat	K unsat
		Sat.	0.05 Bar	0.1 Bar	0.5 Bar	1 Bar	5 Bar	15 Bar		
m		g/g - m3/m3						mm/h	mm/h	

0 - 0.12 0.12 - 0.25 0.12 - 0.25 0.25 - 0.6 0.6 - 0.88 0.88 - 1.14 1.14 - 1.52 1.52 - 1.9 1.9 - 2.13 2.28 - 2.58 **Project Name:** Upper York Penin., S.A.

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## **Laboratory Analyses Completed for this profile**

19B\_NR Calcium Carbonate (CaCO3) - Not recorded

2\_LOI Loss on Ignition (%) 2A1 Air-dry moisture content

Electrical conductivity or soluble salts - Total soluble salts % pH of soil - Not recorded

3A\_TSS 4\_NR

Water soluble Chloride - Cl(%) - Not recordede 5\_NR

P10\_GRAV Gravel (%)

P10\_NR\_C P10\_NR\_CS Clay (%) - Not recorded
Coarse sand (%) - Not recorded
Fine sand (%) - Not recorded P10\_NR\_FS P10\_NR\_Z Silt (%) - Not recorded